

THE CHLOROPICRIN MANUFACTURERS' TASK FORCE

**c/o Niklor Chemical Co., Inc., 1667 Purdy Avenue, Mojave, CA 93501
Telephone (661) 824-2494 Fax (661) 824-2904**

April 17, 2015

Carlos Gutierrez
Pesticide Registration Branch
California Department of Pesticide Regulation
1001 I Street
P.O. Box 4015
Sacramento, CA 95812-4015

Re: Chloropicrin –*Chloropicrin-Induced Toxic Responses in Human Lung Epithelial Cells*
Pesonen, M., Hakkinen, M., Rilla, K., et al. 2014. Toxicology Letters, 226: 236-244.

Dear Mr. Gutierrez:

I am writing to follow up on a question asked at the March 20, 2015 meeting regarding the above-referenced journal article, which CMTF sent to DPR October 20, 2014. The agency noted that the article mentioned biomarkers and wanted to know if the CMTF has any additional information regarding research in that area. As explained during the meeting, the CMTF is not a sponsor of and did not have any involvement with the research conducted by Pesonen, *et al.* The CMTF became aware of the article and shared it with DPR as it was relevant to its evaluation of chloropicrin.

As requested, after the March 20 meeting CMTF contacted the authors and asked (1) if they had or were planning to conduct any additional research, and (2) if they had any additional information regarding the comment in the 2014 article that preliminary microarray studies showed changes in expression levels of genes associated with the unfolded protein response. The authors responded that they have conducted microarray analysis using human primary bronchial cells exposed to chloropicrin and that an article on the work has been submitted to a journal. The authors said that they will discuss their work after the work is published. We do not have any indication of when the article will be published, but once it is published we will provide a copy to you and will follow up with the authors.

We are working toward responding to the remaining questions from the March 20 meeting and will provide additional information shortly.

If you have any questions about the reports please contact Sara Beth Watson at (202) 429-6460.

Sincerely,



Stephen Wilhelm
Chairman
Chloropicrin Manufacturers' Task Force